

CLAIMS:

1. A latching strike assembly for a door lock comprising:
a body adapted to be fitted to a door jamb, said body defining a recess for receipt of a latch bolt;

5 a latching strike mounted to said body and defining a boundary of said recess, said latching strike being pivotable between a closed position for retaining said latch bolt within said recess and an open position for releasing said latch bolt from said recess;

a bi-stable detent displaceable between a stable locking position at which said detent engages said latching strike to lock said latching strike in said closed position and a
10 stable unlocking position at which said detent is disengaged from said latching strike, thereby enabling said latching strike to be deflected into said open position by said latch bolt;

a first solenoid adapted to displace said detent from said locking position to said unlocking position; and

15 a second solenoid adapted to displace said detent from said unlocking position to said locking position.

2. The latching strike assembly of claim 1 wherein said locking and unlocking positions are made stable by way of a biasing spring.

3. The latching strike assembly of claim 2 wherein said biasing spring is
20 an over centre spring.

4. The latching strike assembly of claim 1 wherein said detent, when in said locking position, engages an arm of said latching strike to lock said latching strike in said closed position.

5. The latching strike assembly of claim 1 wherein said detent is pivotally
25 displaceable between said locking and unlocking positions.

6. The latching strike assembly of claim 1 wherein said detent is linearly displaceable between said locking and unlocking positions.

7. The latching strike assembly of claim 6 wherein said detent comprises an elongate pin.

8. A latching strike assembly for a door lock comprising:

a body adapted to be fitted to a door jamb, said body defining a recess for receipt of a latch bolt;

a latching strike mounted to said body and defining a boundary of said recess,
5 said latching strike being pivotable between a closed position for retaining said latch bolt within said recess and an open position for releasing said latch bolt from said recess;

a bistable detent displaceable between a stable locking position at which said detent engages said latching strike to lock said latching strike in said closed position and a stable unlocking position at which said detent is disengaged from said latching strike,
10 thereby enabling said latching strike to be deflected into said open position by said latch bolt; and

a solenoid adapted to displace said detent from said locking position to said unlocking position when activated by an unlocking control signal and from said unlocking position to said locking position when activated by a locking control signal.

15 9. The latching strike assembly of claim 8 wherein said detent, when in said locking position, engages an arm of said latching strike to lock said latching strike in said closed position.

10. The latching strike assembly of claim 8 wherein said detent is linearly displaceable between said locking and unlocking positions.

20 11. The latching strike assembly of claim 10 wherein said detent may comprises an elongate pin.

12. The latching strike assembly of claim 8 wherein said solenoid is a latching-type solenoid having a plunger displaceable between retracted and extended positions, displacement of said plunger to said extended position displacing said detent to
25 one of said locking and unlocking positions, said solenoid having a latching mechanism for latching said plunger in said extended position, further wherein a return spring is operatively associated with said detent and/or said solenoid plunger to bias said plunger to said retracted position, and said detent to the other of said locked and unlocked positions, upon unlatching of said latching mechanism.

30 13. The latching strike assembly of claim 12 wherein said return spring is mounted on said detent.

14. The latching strike assembly of claim 12 wherein displacement of said plunger to said extended position displaces said detent to said locking position.